Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Software Test Plan (STP) for
<name and version of software/segment>

<Document Version (if applicable)>

<Date>

Prepared for:

Defense Information Systems Agency

<Document Number>

Table of Contents

<< GENERATE THE TABLE OF CONTENTS HERE >>

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1. From the <u>Insert</u> menu select *Index* and *Tables*
2. Select the *Table of Contents* tab
3. Highlight *Custom Style* in the formats window, and the preview window will show the headings used
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List of Tables

<< GENERATE THE LIST OF TABLES HERE >>

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1. From the <u>Insert</u> menu select *Index* and *Tables*
2. Select the *Table of Figures* tab
3. Highlight *Table* in the Caption Label window
4. Highlight *Custom Style* in the formats window, and the preview window will show the headings used
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List of Figures

<< GENERATE THE LIST OF FIGURES HERE >>

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2. Select the *Table of Figures* tab
3. Highlight *Figure* in the Caption Label window
4. Highlight *Custom Style* in the formats window, and the preview window will show the headings used
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<Document Number>

Notes on Using the Template

1. Refer to Section 3.1 and 3.2 of the *DII COE Developer Documentation Requirements* for format requirements and guidelines for using the templates.
2. This template has been formatted for a small document (12 pages or less). Section headings are left adjusted (refer to Section 3.1.6 of the *DII COE Developer Documentation Requirements*) and are not required to begin on a new odd page.

1. Scope

This section shall be divided into the following paragraphs.

1.1 Identification

This paragraph shall contain a full identification of the system and the software. It must provide the name(s), title(s), abbreviation(s), version number(s), and the release number(s). Identification must include the operating system platform(s) to which this document applies.

1.2 System Overview

This paragraph shall provide a brief description of the general nature, purpose, and function of the system and software.

2. Referenced Documents

Provide a list of documents referenced in this document. List each document by document number, title, version/revision, and date. Identify the source for all documents not available through the Government.

3. Software Test Environment

Identify and describe the software test environment and test(s) to be performed at each intended test site. For each test site, provide the following information:

3.1 <Name of the Test Site>

Describe the items listed below necessary to perform the planned testing activities at the site. Provide the purpose and use of each item. Identify by name, number, and version, as applicable, all software and hardware items. Identify those items expected to be supplied by the site and any classification, security, privacy, or licensing issues associated with each applicable item, including:

1. Software Items. Software items needed to perform the testing (e.g., operating systems, processors, compilers, other applications, databases, data files, test software, etc.).

<Document Number>

2. Hardware and Firmware Items. Hardware and firmware items needed to perform the testing (e.g., computer equipment, interfacing equipment, test equipment, etc.).
3. Other Materials. Other materials needed to perform the testing (such as manuals and listings).
4. Installation, Testing and Control. Plans for the installation, testing and control of each element of the test environment.
5. Participating Organizations. Identify the organizations that will participate and their roles and responsibilities.
6. Personnel. Identify the number, type, and skill level of personnel needed to perform the testing.
7. Orientation and Training. Describe any planned orientation or training to be given.
8. Tests to be Performed. Identify, by referencing Section 4, each test to be performed at the site.

4. Test Identification

Identify and describe each test to which the STP applies.

4.1 General Information

Present information applicable to the overall testing to be performed. Provide the following information:

1. General Test Conditions. Describe conditions that apply to all or a group of tests. State the extent of testing and the rationale for the extent selected. Provide the approach for retesting or regression testing.
2. Test Progression. Explain the planned sequence or progression of tests, if applicable.
3. Data Recording, Reduction, and Analysis. Identify and describe the data recording, reduction, and analysis procedures to be used for the tests identified in this STP.

4.2 Planned Tests for <Item to be Tested>

Identify the system, subsystem, software or other item (by name, title, version number, release number) and describe the testing planned for the item in the following paragraphs.

4.2.1 <Name of Test>

Identify the test and provide the following information:

1. Test objectives.
2. Test level at which testing will be performed (such as system level or configured item level).
3. Test type or class of test to be performed.
4. Qualification Method(s) as specified in the requirements specification.
5. Special requirements, if any (such as extended facility support hours).
6. Type of data to be recorded.
7. Type of data recording/reduction/analysis to be employed.

<Document Number>

8. Assumptions and constraints, such as anticipated limitations on the test due to system or test conditions.
9. Safety, security, and privacy concerns associated with the test.

5. Test Schedules

Provide or reference the schedules for conducting the tests identified in this plan. Provide:

1. A listing or chart depicting all the sites with time frames for conducting the testing
2. A schedule for each site which includes test preparation, test execution, test data collection and preparation, and the preparation, review, and approval of the software test report (STR)

6. Requirements Traceability

Provide traceability from each test to the system or software requirements it addresses. Provide traceability for each system or software requirement to the test that addresses it.

7. Notes

Provide general information to assist in the understanding of this document. This section may include a list of acronyms and abbreviations, and a list of terms and definitions.

8. Documentation Improvement and Feedback

Comments and other feedback on this document should be directed to the DII COE Hotline:

Phone: 703-735-8681
Fax.:   703-735-3080
Email: HotlineC@ncr.disa.mil

A. Appendices

Appendices may be used to provide additional information published separately for convenience in document maintenance. The appendices shall be referenced in the main body of the document, where applicable.